EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6445751".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:26
L2	0	((polarity with (transition or change)) and training and uwb).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:30
L3	0	(polarity and training and uwb).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:31
L4	8	(polarity and training adj symbol).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:31
L5	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L6	632	(polarity with (transition or change)) and training	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L7	4599	375/316	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

L8	8	L6 and L7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L9	5	(polarity with (transition or change)) and (training or pilot or tr or "transmitted reference") and wub	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L10	14	(polarity near4 (transition or change or different)) with training	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L11	2467	375/259	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L12	8	L6 and L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L13	1	(polarity near4 (transition or change)) and training and uwb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L14	414	(polarity near4 (transition or change)) and training	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

EAST Search History

L15	1	low adj complexity with training and UWB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L16	3451	375/295	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L17	7	L6 and L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L18	26	"delay-hopped" "transmitted reference"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/03 22:33
L19	10	hoctor.in. and uwb and polarity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L20	568	375/133	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L21	2	L6 and L20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

L22	2	"20060083338".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L23	2	"6810087".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L24	26	hoctor.in. and uwb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L25	3	(polarity near4 (transition or change or different)) and training and uwb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L26	0	"delay-hopped" "tramsmitted reference"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/03 22:33
L27	0	10/796567	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L28	0	(polarity with (transition or change)) and training and wub	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

L29	2	"6131089".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L30	2	"6744832".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L31	0	((polarity with (transition or change)) and training and wub).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L32	1	training with polarity with symbol same synchroniz$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L33	0	training same polarity same symbol same synchroniz$5 and UWB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L34	1	training with polarity with symbol with synchroniz$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L35	11	training adj symbol with polarity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

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L36	26	training with polarity with symbol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L37	15	training same polarity same symbol same synchroniz$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33
L38	177	training with polarity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 22:33

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Web   Results **1** - **10** of about **36** for **"training symbols" polarity transition** uwb. (**0.45** seconds)

[PDF] Trends in Ultra-wideband Transceiver Design
If **training symbols** are available, the LS channel estimation ...... highly likely to be applied
to practical **UWB** systems. Meanwhile, the **transition** from ...
doi.wiley.com/10.1002/0470028521.ch7 - Similar pages - Note this

[PDF] Multiple-Access Interference Mitigation in Ultra Wideband Systems
In the context of IR-**UWB** systems, spreading by random **polarity** codes is not intended
for ...... **training symbols** (data-aided channel estimation) [38]. ...
doi.wiley.com/10.1002/9780470042397.ch10 - Similar pages - Note this
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Pulse or digital communications inventions 200602
The **polarities** of certain GPS data bits are known beforehand and their expected .... of
transmit antennas by using various sets of **training symbols**. ...
www.freshpatents.com/Pulse-or-digital-communications-dt200602ntc375.php - 153k -
Cached - Similar pages - Note this

Pulse or digital communications inventions 200605
Bit rate control may include using a state **transition**. ..... gaussian pulses and method of
operation: An ultra wideband (**UWB**) receiver system operable to ...
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[PDF] General Chair Message English ...
Study of Packet Traffic Fluctuations Near Phase **Transition** Point From Free ......
Automated Identification of Clusters in **UWB** Channel Impulse Responses. ...
ieeexplore.ieee.org/iel5/4232658/4232659/04232665.pdf?
isnumber=4232659&prod=CNF&arnumber=4232665... - Similar pages - Note this

[PDF] Monday 5 September
Manufacturing **Training Symbols** from the Future Bits Hao Zhou, ... On Multimode
Polarity- Switch Codes of Rate 1- 1/n Hiroyoshi Morita, Masahiko Satoh, ...
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[DOC] The Ultra-Wide Bandwidth Indoor Channel:from Statistical Model to ...
File Format: Microsoft Word - View as HTML
Assuming that +1 is currently being transmitted, the **polarity** codes for the pulses are {+1,
+1,-1, +1,-1, +1}. One of the most challenging issues in **UWB** TOA ...
www.ieee802.org/15/pub/2005/15-05-0004-00-004a-mitsubishi-electrics-time-hopping-
impulse-radio-standards-... - Similar pages - Note this

[PDF] 逢甲大學自動控制工程學系碩士班碩士論文

File Format: PDF/Adobe Acrobat - View as HTML
超寬頻 (Ultra-wideband **UWB**) 是一種已經有實體層規格被提報出來的新系 ...... As shown

in Figure 2.8, the OFDM **training symbols** shall be followed by the **...**
ethesys.lib.fcu.edu.tw/ETD-db/ETD-search/getfile?URN=etd-0705106-
220437&filename=etd-0705106-220437.pdf - Similar pages - Note this

[PDF] UNION RADIO-SCIENTIFIQUE INTERNATIONALE INTERNATIONAL UNION OF ...
File Format: PDF/Adobe Acrobat
regarding the application of **UWB** communication devices. The FCC opened the spectrum
from 3.1 **......** with M being the number of averaged **training symbols**, **...**
www.ursi.org/RSBissues/RSBmarch2007incolour.PDF - Similar pages - Note this

EUSIPCO2006 - European Signal Processing Conference
Simulation results using IEEE **UWB** channel models show 3 dB of SNR improvement at
a **......** criterion and adopting as **training symbols** an orthogonal sequence. **...**
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DELTA.f by performing a single summation and placing the result in **polar** format. ..... is
essentially the ratio between two **consecutive training symbols**, ...
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Estimation of frequency offset in a communication system - US ...
A symbol may also be represented in **polar** form as xn =Xn ej. .... =αk.multidot.x.sub.k-1, is
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☐ **1.** <u>SNR Estimation in Generalized Fading Channels and its Application to Turbo Decoding</u>
Ramesh, A / Chockalingam, A / Milstein, LB, *conference,* Jan 2001
...requiring the transmission of known **training symbols**, particularly when the
channel...In Eqn. (I), the actual data **polarity** is unknown. Our interestis
todevise...require the transmission of known **training symbols** to estimate the SNR.
Accordingly...
Full text available from ePrints@IISc
<u>similar results</u>

☐ **2.** <u>Methods and apparatus for verifying transmit power levels in a signal point limited</u>
<u>transmission system</u>
Olafsson, Sverrir (Conexant Systems, Inc.), *EUROPEAN PATENT APPLICATION*, Aug
2002
patno:EP1233603
A pulse code modulation modem system (200) ulitizes the same total average transmit
power formula for designing signal point constellations in one modem and for verifying
that the transmit power of the signal point constellations are within a designated ...
Full text available at patent office. For more in-depth searching go to ◉ LexisNexis⁻
<u>view all 34 results from Patent Offices</u>
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☐ **3.** <u>METHOD AND APPARATUS FOR GENERATING A LINE IMPAIRMENT LEARNING SIGNAL</u>
<u>FOR A DATA COMMUNICATION SYSTEM</u>
OLAFSSON, Sverrir (Conexant Systems, Inc.), *EUROPEAN PATENT*, Jun 2000
patno:EP1013039
...descriptor, one of a plurality of **training symbols** to each of the segments,
and...Transmitter 210 may cooperate with a **polarity**/amplitude block 212 to
produce...synchronization- conveying data symbols. **Polarity**/amplitude block 212
functions...described in more detail below). **Polarity**/amplitude block 212 may suitably...
Full text available at patent office. For more in-depth searching go to ◉ LexisNexis⁻
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☐ **4.** <u>INTERNATIONAL TELECOMMUNICATION UNION</u> [Word-675K]
Dec 1999

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...defined in G.711 have already been made. The MSB in the μ-law PCM and A-law PCM columns in Table 1/V.pcm correspond to the **polarity** bit of the G.711 character signals. A linear representation of each PCM codeword is given for reference. Table 1/V.pcm The...
[http://engr.smu.edu/~hbaker/v90.doc]
similar results

5. METHODS AND APPARATUS FOR VERIFYING TRANSMIT POWER LEVELS IN A SIGNAL POINT LIMITED TRANSMISSION SYSTEM
OLAFSSON, Sverrir (Conexant Systems, Inc.), *EUROPEAN PATENT*, Feb 2001
patno:EP1076987
(FIELD OF THE INVENTION) The present invention relates generally to the regulation of transmit power levels in a signal point limited data transmission system. In particular, the present invention relates to a data communication system that verifies whether the total average transmit power of a set
Full text available at patent office. For more in-depth searching go to LexisNexis⁻
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6. DECISION FEEDBACK EQUALIZER
HEO, Seo, Weon / MARKMAN, Ivonete / PARK, Jeongsoon / GELFAND, Saul, Brian (THOMSON LICENSING S.A.), *PATENT COOPERATION TREATY APPLICATION*, Oct 2003
patno:WO03090348
...fact that dd updates its tap on every symbol, as opposed to **training symbols** only, allows for faster adaptation and tracking capabilities...to whether a 1 or a zero was transmitted is based on the **polarity** of the demodulator output and is irrevocable, whereas in...
Full text available at patent office. For more in-depth searching go to LexisNexis⁻
view all 34 results from Patent Offices
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7. Robust GMSK Demodulation Using Demodulator Diversity and BER Estimation
Laster, Jeffery D. , Jan 1997
This research investigates robust demodulation of Gaussian Minimum Shift Keying (GMSK) signals, using demodulator diversity and real-time bit-error-rate (BER) estimation. GMSK is particularly important because of its use in prominent wireless standards ...
Full text thesis available via NDLTD (Virginia Tech)
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8. SYSTEM AND METHOD FOR PROVIDING COMPATIBILITY BETWEEN DIFFERENT TRANSCEIVERS IN A MULTI-PAIR COMMUNICATION SYSTEM
CREIGH, John L. (BROADCOM CORPORATION), *PATENT COOPERATION TREATY APPLICATION*, Jun 2001
patno:WO0147184
...used to generate a scrambler octet Sc,,[7:0] for decorrelating a data word during transmission, for generating idle and **training symbols**, and for randomizing the signs of the encoded data signals so that each symbol stream has no dc bias. Prior to acceptance...
Full text available at patent office. For more in-depth searching go to LexisNexis⁻
view all 34 results from Patent Offices
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9. Communication of an impairment learning sequence according to an impairment learning sequence descriptor
Olafsson, Sverrir (Conexant Systems Inc.), *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Jan 2003
patno:US6504886

...Transmitter 210 may cooperate with a **polarity**/amplitude block 212 to produce an output...synchronization-conveying data symbols. **Polarity**/amplitude block 212 functions to configure...204 (described in more detail below). **Polarity**/amplitude block 212 may suitably include...
Full text available at patent office. For more in-depth searching go to 🌐 LexisNexis·
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10. METHOD AND APPARATUS FOR A TRANSCEIVER HAVING A CONSTANT POWER OUTPUT
KACZYNSKI, Brian J. (ATHEROS COMMUNICATIONS, INC.), *PATENT COOPERATION TREATY APPLICATION*, Aug 2002
patno:WO02065633
The present invention includes a transceiver and a method of operating the same that includes in the transmitter a power control circuit that operates on an analog differential signal containing data packets individually. The power control circuit ...
Full text available at patent office. For more in-depth searching go to 🌐 LexisNexis·
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11. 12. Blind Methods for Wireless Communication Receivers [PDF-698K]
Jan 2003
...to equalize the received signal directly. The commonly used approach to the problem is to transmit a known sequence of **training symbols**. The receiver generates a local copy of the sequence, and the equalizer coefficients are estimated by minimizing the mean-square-error...
[http://www.calstatela.edu/centers/berp/docs/Blind%20Me...]
similar results

12. Multi-band OFDM Physical Layer Proposal for IEEE 802.15 Task Group 3a [Word-3MB]
Nov 2003
...inverse Fourier transform with a certain set of coefficient Cn, where the coefficients are defined as either data, pilots, or **training symbols**: . The parameters Δf and NST are defined as the subcarrier frequency spacing and the number of total subcarriers used...
[http://grouper.ieee.org/groups/802/15/pub/2003/Jul03/0...]
more hits from [http://grouper.ieee.org]
similar results

13. RECEIVER FOR USE IN A CODE SHIFT KEYING SPREAD SPECTRUM COMMUNICATIONS SYSTEM
RAPHAELI, Dan / MATMOR, Avner (ITRAN COMMUNICATIONS LTD.), *PATENT COOPERATION TREATY APPLICATION*, Oct 2001
patno:WO0180506
...for the template from a plurality of **training symbols** stripped of rotation and phase whereby...of de- rotated and phase stripped **training symbols** thereby adapting the template to the...response to a second plurality of **training symbols**, generating receive symbols from the...
Full text available at patent office. For more in-depth searching go to 🌐 LexisNexis·
view all 34 results from Patent Offices
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14. WIRELESS INTERACTIVE SYSTEM AND METHOD
HADAD, Zion (RUNCOM COMMUNICATIONS LTD.), *PATENT COOPERATION TREATY APPLICATION*, Jan 2002
patno:WO0209298
...each possibly having a different time delay, amplitude and **polarity**. These signals may result in interference between adjacent...division multiplexed (OFDM) signal. The method uses two OFDM **training symbols** to obtain full synchronization in less than two data frames...
Full text available at patent office. For more in-depth searching go to 🌐 LexisNexis·

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15. CARRIER ACQUISITION USING BANDEDGE SPECTRAL PROPERTIES
MCCARTY, Robert / TRIVEDI, Akshaya (COMSPACE CORPORATION, INC.),
PATENT COOPERATION TREATY APPLICATION, Sep 2001
patno:WO0172000
...Other prior art systems employ **training symbols** of a known configuration
at...periodically during transmission. These **training symbols** reduce the bandwidth
available...the invention may also include **polarity** detection circuit coupled to...
Full text available at patent office. For more in-depth searching go to ● LexisNexis·
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16. METHOD AND APPARATUS FOR GENERATING A LINE IMPAIRMENT LEARNING SIGNAL
FOR A DATA COMMUNICATION SYSTEM
OLAFSSON, Sverrir (ROCKWELL SEMICONDUCTOR SYSTEMS, INC.), *PATENT
COOPERATION TREATY APPLICATION*, Mar 1999
patno:WO9912267
...descriptor, one of a plurality of **training symbols** to each of the segments,
and...Transmitter 210 may cooperate with a **polarity**/amplitude block 212 to
produce...on-conveyi ng data symbols. **Polarity**/amplitude block 212
functions...described in more detail below). **Polarity**/amplitude block 212 may suitably...
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17. METHOD AND APPARATUS FOR GENERATING A LINE IMPAIRMENT LEARNING SIGNAL
FOR A DATA COMMUNICATION SYSTEM
OLAFSSON, SVERRIR, *UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT
PUBLICATION*, Nov 2001
patno:US20010038673
...Transmitter 210 may cooperate with a **polarity**/amplitude block 212 to produce an
output...synchronization-conveying data symbols. **Polarity**/amplitude block 212
functions to configure...204 (described in more detail below). **Polarity**/amplitude block
212 may suitably include...
Full text available at patent office. For more in-depth searching go to ● LexisNexis·
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18. CLOCK SYNCHRONIZATION, FREQUENCY SYNCHRONIZATION, CHANNEL SOUNDER AND
EQUALIZER FOR OFDM USING PILOTS EQUIDISTANT IN THE FREQUENCY DOMAIN
HADAD, Zion (ZION HADAD COMMUNICATIONS LTD.), *PATENT COOPERATION
TREATY APPLICATION*, Aug 2001
patno:WO0156239
...different time delay, amplitude and **polarity**. These signals may result in
interference...OFDM) signal. The method uses two OFDM **training symbols** to obtain full
synchronization in less...unique properties of these two OFDM **training symbols**. Timing
synchronization is determined...
Full text available at patent office. For more in-depth searching go to ● LexisNexis·
view all 34 results from Patent Offices
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19. Calculation and verification of transmit power levels in a signal point transmission system

Olafsson, Sverrir (Conexant Systems, Inc.), *UNITED STATES PATENT AND
TRADEMARK OFFICE GRANTED PATENT*, May 2003
patno:US6570932
...amplitude. Thus, training sequence generator may include a suitable **polarity** assigner

(not shown) that assigns a positive or a negative **polarity** to the transmitted **training symbols**. With continued reference to FIG. 2, signals transmitted to modem...
Full text available at patent office. For more in-depth searching go to ⬤˙LexisNexis·
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20. Receiver for use in a code shift keying spread spectrum communications system
Raphaeli, Dan / Matmor, Avner (Itran Communications Ltd.), *UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT*, Dec 2003
patno:US6671311
...determine the shift index that is between 0 and $2n-1$, where n represents the number of bits transmitted per symbol (excluding the **polarity** bit). With 64 samples, the shift index is a number between 0 and $26-1=63$. Alternatively, the rate of transmission is halved...
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band **UWB** systems. Further, by appending a guard interval...significant
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1.1.1.1...considerations 7 1.1.2 Scope 8 1.1.3 **UWB** PHY function 8 1.1.3.1
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Ultra-Wideband, The 2006 IEEE 2006 International Conference on
Sept. 2006 Page(s):315 - 320
Digital Object Identifier 10.1109/ICU.2006.281569

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☐ 2. **Channel Estimation for Wavelet Packet based UWB Transmissions**
Harada, H.; Hernandez, M.; Kohno, R.;
Spread Spectrum Techniques and Applications, 2006 IEEE Ninth International
Aug. 2006 Page(s):178 - 182
Digital Object Identifier 10.1109/ISSSTA.2006.311758

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☐ 3. **A GLRT approach to data-aided timing acquisition in UWB radios-Part II: sequence design**
Zhi Tian; Giannakis, G.B.;
Wireless Communications, IEEE Transactions on
Volume 4, Issue 6, Nov. 2005 Page(s):2994 - 3004
Digital Object Identifier 10.1109/TWC.2005.858345

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☐ 4. **Timing PPM-UWB signals in ad hoc multiaccess**
Liuqing Yang;
Selected Areas in Communications, IEEE Journal on
Volume 24, Issue 4, Part 1, April 2006 Page(s):794 - 800
Digital Object Identifier 10.1109/JSAC.2005.863831

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☐ 5. **Diagonally Loaded Linear MMSE Equalization for UWB Multipath Channel Training Sample Support**
Zhiwei Lin; Premkumar, A.B.; Madhukumar, A.S.; Francois Chin;
Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd

Volume 5, 2006 Page(s):2359 - 2363
Digital Object Identifier 10.1109/VETECS.2006.1683279

AbstractPlus | Full Text: PDF(1400 KB)   IEEE CNF
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6. **Training sequence design for data-aided timing acquisition in UWB radio**
Tian, Z.; Giannakis, G.B.;
Communications, 2004 IEEE International Conference on
Volume 6, 20-24 June 2004 Page(s):3399 - 3403 Vol.6
Digital Object Identifier 10.1109/ICC.2004.1313175

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7. **Matching pursuit-based tap selection technique for UWB channel equaliz**
Lin Zhiwei; Premkumar, A.B.; Madhukumar, A.S.;
Communications Letters, IEEE
Volume 9, Issue 9, Sep 2005 Page(s):835 - 837
Digital Object Identifier 10.1109/LCOMM.2005.1506719

AbstractPlus | Full Text: PDF(217 KB)   IEEE JNL
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8. **Tap Selection Based Multipath Channel Equalization For UWB Systems**
Zhiwei Lin; Premkumar, A.B.; Madhukumar, A.S.;
Acoustics, Speech and Signal Processing, 2006. ICASSP 2006 Proceedings.
International Conference on
Volume 4, 14-19 May 2006 Page(s):IV - IV
Digital Object Identifier 10.1109/ICASSP.2006.1661012

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9. **Capacity-maximizing resource allocation for data-aided timing and chann ultra-wideband radios**
Lin Wu; Zhi Tian;
Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04).
International Conference on
Volume 4, 17-21 May 2004 Page(s):iv-525 - iv-528 vol.4
Digital Object Identifier 10.1109/ICASSP.2004.1326879

AbstractPlus | Full Text: PDF(299 KB)   IEEE CNF
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10. **Low-complexity training for rapid timing acquisition in ultra wideband co**
Liuqing Yang; Giannakis, G.B.;
Global Telecommunications Conference, 2003. GLOBECOM '03. IEEE
Volume 2, 1-5 Dec. 2003 Page(s):769 - 773 Vol.2
Digital Object Identifier 10.1109/GLOCOM.2003.1258343

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11. **Raise Your Voice at a Proper Pace to Synchronize in Multiple Ad Hoc Pic**
Luo, X.; Giannakis, G. B.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Si
IEEE Transactions on]
Volume 55, Issue 1, Jan. 2007 Page(s):267 - 278
Digital Object Identifier 10.1109/TSP.2006.885783

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12. **Adaptive Nonlinear Narrow Band Interference Rejection in Ternary DS-U**
Gaffney, B.; Fagan, A.D.;

Communications, 2006 IEEE International Conference on
Volume 7, June 2006 Page(s):3146 - 3150
Digital Object Identifier 10.1109/ICC.2006.255289

AbstractPlus | Full Text: PDF(315 KB)   IEEE CNF
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13. **Timing synchronization and frequency offset estimation for Ultra-Wideba Band OFDM systems**
Chin Wee Yak; Zhongdi ling Lei; Chattong, S.; Tjeng Thiang Tjhung;
Personal, Indoor and Mobile Radio Communications, 2005. PIMRC 2005. IEEI International Symposium on
Volume 1, 11-14 Sept. 2005 Page(s):471 - 475

AbstractPlus | Full Text: PDF(2736 KB)   IEEE CNF
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14. **Semi-blind ML synchronization for UWB transmitted reference systems**
Carbonelli, C.; Franz, S.; Mengali, U.; Mitra, U.;
Signals, Systems and Computers, 2004. Conference Record of the Thirty-Eigh Conference on
Volume 2, 7-10 Nov. 2004 Page(s):1491 - 1495 Vol.2
Digital Object Identifier 10.1109/ACSSC.2004.1399403

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15. **Generalized UWB transmitted reference systems**
Franz, S.; Mitra, U.;
Selected Areas in Communications, IEEE Journal on
Volume 24, Issue 4, Part 1, April 2006 Page(s):780 - 786
Digital Object Identifier 10.1109/JSAC.2005.863829

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16. **An Energy-Proportion Synchronization Method for IR-UWB Communicati**
Jing Wang; Lang Mai; Yanjie Peng; Jun Han; Xiaoyang Zeng;
Circuits and Systems, 2007. ISCAS 2007. IEEE International Symposium on
27-30 May 2007 Page(s):2578 - 2581
Digital Object Identifier 10.1109/ISCAS.2007.377842

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17. **A New Modulation Scheme for Rapid Blind Timing Acquisition using Dirt Approach for UWB Systems**
Ouertani, M.; Huilin Xu; Liuqing Yang; Besbes, H.; Bouallegue, A.;
Acoustics, Speech and Signal Processing, 2007. ICASSP 2007. IEEE Internat on
Volume 3, 15-20 April 2007 Page(s):III-265 - III-268
Digital Object Identifier 10.1109/ICASSP.2007.366523

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18. **A suboptimal receiver with turbo block coding for ultra-wideband commu**
Morelos-Zaragoza, R.H.; Becker, T.; Aquino, S.;
Wireless Networks, Communications and Mobile Computing, 2005 Internationa
Volume 1, 13-16 June 2005 Page(s):618 - 623 vol.1
Digital Object Identifier 10.1109/WIRLES.2005.1549479

AbstractPlus | Full Text: PDF(2040 KB)   IEEE CNF
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19. **Timing Acquisition for UWB Multiple Access**

Wu, Lin; Lottici, Vincenzo; Tian, Zhi;
Signal Processing Advances in Wireless Communications, 2006. SPAWC '06.
Workshop on
July 2006 Page(s):1 - 5
Digital Object Identifier 10.1109/SPAWC.2006.346489

AbstractPlus | Full Text: PDF(6977 KB)   IEEE CNF
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20. **Applying Multistage Wiener Filter to UWB Multipath Channel Equalizatior Training Sample Support**
Lin Zhiwei; Premkumar, A.B.; Madhukumar, A.S.;
Information, Communications and Signal Processing, 2005 Fifth International (
06-09 Dec. 2005 Page(s):821 - 825

AbstractPlus | Full Text: PDF(3192 KB)   IEEE CNF
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21. **Timing ultra-wideband signals with dirty templates**
Liuqing Yang; Giannakis, G.B.;
Communications, IEEE Transactions on
Volume 53, Issue 11, Nov. 2005 Page(s):1952 - 1963
Digital Object Identifier 10.1109/TCOMM.2005.858663

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22. **RAKE versus noisy-template based UWB receivers under timing and cha errors**
Lin Wu; Xianren Wu; Zhi Tian;
Communications, 2005. ICC 2005. 2005 IEEE International Conference on
Volume 1, 16-20 May 2005 Page(s):407 - 411 Vol. 1
Digital Object Identifier 10.1109/ICC.2005.1494384

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